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December 9, 2004, 13:40:09 ; Search time 151 Seconds (without alignments) 21.381 Million cell updates/sec
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GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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Listing first 45 summaries
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Gapop 10.0 , Gapext 0.5
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1: geneseqp1980s:*

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49
1 STAPPVHNV 9
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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Description	Aabilii4 Human MUC		_	Adg89655 Class I H	Adg20359 Antigenic		-	Adf32621 MUC-1 imp	Human	Aay71021 Human Muc	Aar27664 C-termina	Adi57759 Human bre	Aar27665 Secreted	Aay71027 Ubiquitin	_	Aau84810 Human MUC	Adi57755 Human bre	_	Aar96298 Glycoprot	Adi57782 Human bre	Aar27662 C-termina	Adi57754 Human bre	Adis7758 Human bre	Adi57779 Human bre	Adis7776 Human bre
	e (c						-																		
SUMMAKIES	AAB11114	ABG79089	ADA50588	ADG89655	ADG20359	AAW77232	ADE43990	ADF32621	AAU84987	AAY71021	AAR27664	ADIS7759	AAR27665	AAY71027	ADA50571	AAU84810	AD157755	ADIS7777	AAR96298	AD157782	AAR27662	ADI57754	AD157758	ADI57779	AD157776
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Adi57765 Human bre Adi57770 Human bre Adi57770 Human bre Adi57770 Human bre Adi57752 Human bre Adi57752 Human muc Ade43996 Plasmid J Adi57750 Human muc Aau00573 Human muc Aau00573 Human muc Aau00573 Human muc Add41270 Human muc Add4120 Human muc Add52626 Plasmid J Adi5746 Human bre Adv70494 Respirato	STTS			0.1.	<pre>i immune reaction; treatment; antigen-presenting cell.</pre>						Kanz L, Rammensee HG;		nor marker, used to induce a it or prevention of tumors.		ptide (I) derived from the MUC-1 gene an leukocyte antigen) A2-restricted in the mucleic acid (II) in the mucleic acid (II) in the mucleic acid (II) is used in gene therapy or for trion of tells (particularly antigention) for expression of (I). (I) has a dican reverse the usual suppression of tumor cells by introducing the an antigen-presenting cell in vitro, an antigen-presenting cell in a motre certain and controlled in administration of the peptide plus
ADI57765 ADI57778 ADI57770 ADI57750 ADI57750 ADI57750 AAR13996 ADI57750 AAR09573 AAR09573 AAR09573 AAR09573 ADI57766 ADD14120 ADD14120 ADD14120 ADD14120 ADD14120 ADD14120 ADD14120 ADD141392 ADD141392 ADD141392 ADD141393	ALI GNMENTS	9 AA.		SEQ ID NO	restricted ne therapy;				نه به	EBERHARD-KARLS.	Brugger W,		he MUC-1 tumor for treatment	ď	l pep (humae ells. e an preve cular ormat vivo vivo vith mtc a
@@@@UU@@44NV0///@@@@@;		de;	<u> </u>	ment	-A2 regene				719	BER	s,		t)	German	es a novo e an HLA t tumor to indu tment or In part: oor Itans; oor HLA-; sociated des (1) des (1)
W 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		peptide;	t entry)	n fragment	mor; HLA antigen;				99DE <sub>1</sub> 040 <del>17195</del> 99DE-01017195		Stevanovic	5.	ed from response	8pp; Ge	describes a nove to induce an HLA a against tumor or are used to induce for treatment or rappies. In partifection or transfls, optionally in apacity for HLA-Aponse associated hat encodes (1) it the cells to the hieved, compared
		standard;	(first	protein	e E		٠ <u>;</u>			TUEBINGEN	Steva	2872/0	derived cell res	9	rention describes a sable to induce an section against ture (I), are used to seeful for treatmen mor therapies. In transfection or t. ing cells, optional ding capacity for mre response associacid that encodes urning the cells the is achieved, comp
00000000000000000000000000000000000000			2001	MUC-1	MUC-1; leukocyt	sapiens	195-4	2000.	1999;	UNIV	r P,	01-03	ide c T	, Page	invention h is able ne reactio ding (1), re useful r tumor th rito trans enting cel binding c immune res eic acid returning onse is ac
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ס מיווים ס	AAB1111 AAB1111 AAB1111	16-FEBA	Humán	Human;	Ношо	PN DE19917195-A1	PD 19-OCT-2000	XX 16-APR-1999 PR 16-APR-1999	PA (UYTU-)	XX PI Brossart	DR WPI; 2001	New	Claim 1	This invo
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The invention relates to a composition (1) comprising an immune effector cell and a cell penetrating peptide (CPP) associated with an antigen or antibody. Also included are (1) a vaccine comprising (1), CPP associated with an antigen for disease, by providing (1) and CPP associated with an antigen for disease, and introducing the antigen. Sesociated CPP to (1), where antigen enters into the cell. The antigen associated With an antigen for disease, and introducing the antigen. CC are, for example, tumour antigen enters into the cell. The antigen are, for example, tumour antigen enters into the cell. The antigen or II. The composition is useful for enhancing immunity in an animal to a disease, by administering a mature dendritic cell comprising CPP associated with an antigen to disease, to the animal, such that following the administration, animal is protected from disease, where the animal comprises both CD4+ and CD8+ T cells. It is also useful for treating a disease (e.g. cancer, tumour, melanoma, thymoma, lymphoma, uterine cancer, non-Hodgkin's lymphoma, leukaemia, Hodgkin's lymphoma, leukaemia, Hodgkin's lymphoma, leukaemia, Hodgkin's lymphoma, cancer, where the animal is further subjected to a cancer treatment including surgery, radiation, chemotherapy or gene therapy. The administration of (1), the preferably dendritic cell is prior to, subsequent to or concurrent with,
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Cell penetrating peptide; cancer; tumour; melanoma; thymoma; antigen; lymphoma; sarcoma; lung cancer; non-Hodgkin's lymphoma; leukaemia; Hodgkin's lymphoma; uterine cancer; cervical cancer; bladder cancer; kidney cancer; adenocarcinoma; breast cancer; prostate cancer; ovarian cancer; pancreatic cancer; epitope; vaccine; dendritic cell; tumour infiltrating lymphocyte; TlL; human leukocyte antigen; HLA;
                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Novel composition for treating a disease in an animal, comprises an immune effector cell and cell penetrating peptide associated with an
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                                                                                                                                                                                                                                                                                                                                                                                                            Human MUCI class I HLA widely expressed antigen peptide #2.
                                                         / Match 100.0%; Score 49; DB 4; Length 9; Local Similarity 100.0%; Pred. No. 1.7e+06; les 9; Conservative 0; Mismatches 0; Indels
                                                                                                  0; Indels
                                                                                                    0; Mismatches
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                                                                                                                                                                                                                                                                                      ABG79089 standard; peptide; 9 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (BAYU ) BAYLOR COLLEGE MEDICINE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  15-FEB-2001; 2001US-0268687P.
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                                                                                                                                           1 STAPPVHNV
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                     Sequence 9 AA;
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The invention relates to a nucleic acid vaccine comprising one or more tumour antigen-encoding nucleic acids and one or more cytokine adjuvant-encoding nucleic acids. The tumour antigen encoded by the vaccine is mucin 1 (WUC-1), the kallikrain KLK2, or prostate specific antigen (PSA, also known as KLK3), and the cytokine adjuvant encoded can be interleukin. C. 12 (IL-12), granulocyte macrophage-colony stimulating factor (GM-CSF), or especially interleukin-18 (IL-18). The antigen-encoding nucleic acid is preferably under the control of a promoter such as the cytomegalovirus immediate early promoter, the dihydrofoliate reductase promoter or the carly or late SV40 promoters. The invention also encompasses the method of eliciting an immune response to a tumour antigen in a mammal using the vaccine of the invention. Coexpression of the antigen and adjuvant induces a humoral or cellular response to the tumour antigen, generating an immune reponse useful for treatment or prophylaxis of cancers. The present sequence represents a mucin 1 (WUC-1) polypeptide sequence which is specifically claimed for use in the vaccine of the invention.
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the cancer treatment. The present sequence is a tumour antigen derived epitope for inclusion in the composition of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New nucleic acid vaccine, useful for eliciting an immune response to a cancer associated tumor protein in a mammal.
                                                                                                                                                                                                                                                                                                                                                                                                                                             Nucleic acid vaccine; DNA vaccine; tumour antigen; cytokine adjuvant;
                                                                                                                                 Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                          humoral response; cellular response; immune response; immunotherapy; cancer; cytostatic; vaccine; gene therapy; mucin 1; MUC-1; cytotoxic T lymphocyte; CTL epitope.
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                                                                                                                             Indels
                                                                                        Query Match 100.0%; Score 49; DB 5; L
Best Local Similarity 100.0%; Pred. No. 1.7e+06;
Matches 9; Conservative 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                        Mucin 1 (MUC-1) CTL epitope, SEQ ID NO:43.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 1a; Page 45; 92pp; English.
                                                                                                                                                                                                                                                                                              ADA50588 standard; peptide; 9 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               18-SEP-2002; 2002WO-US029640.
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Best Local Similarity
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                                                   Sequence 9 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Unidentified.
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                                                                                                                                                                                                                                                                                                                                   ADA50588;
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24-DEC-2003.
                           Synthetic.
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AAW77232
ID AAW7
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                                                                                                                                                                                                                                                                                                                                    Identifying a cell that differentiates into a metastatic cancer cell, useful for preventing metastatic cancer, comprises identifying a mutated fibronectin in the cell.
                                                                                                                                                                                                                                                                                                                                                                                                                            amino
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  double-chimeric.beta 2-microglobulin; antigenic peptide;
antigen-presenting cell; beta 2-microglobulin;
major histocompatibility complex class I epitope; MHC class I epitope;
cytostatic; antibacterial; virucide; fungicide; protozoacide; vaccine;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                           The invention comprises a method for identifying a cell that will differentiate into a metastatic cancer cell, the method involves identifying a mutated fibronectin in the cell. The method of the invention is useful for preventing metastatic cancer. The present acid sequence represents a Class I HLA-restricted widely expressed
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ;
                                                                                                                                                      mutated fibronectin;
                                                                                                                                                    metastatic cancer cell differentiation; mutated fibronect:
metastatic cancer; class I HLA-restricted; widely antigen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%; Score 49; DB 8; Length 9; 100.0%; Pred. No. 1.7e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0; Indels
                                                                                                                                  Class I HLA-restricted widely expressed antigen #20.
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                                                                                                                                                                                                                                                                                                                                                                            Disclosure; SEQ ID NO 98; 137pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADG20359 standard; peptide; 9 AA.
                                                                          ADG89655 standard; peptide; 9 AA
                                                                                                                                                                                                                                                                             (BAYU ) BAYLOR COLLEGE MEDICINE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Antigenic peptide SEQ ID NO:35.
                                                                                                                                                                                                                                        28-MAY-2003; 2003WO-US016736.
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                                                                                                                                                                                 Unidentified
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                                                                                             ADG89655;
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The present invention describes a double-chimeric beta 2-microglobulin comprising a sequence encoding a polypeptide (II) that is capable of high level presentation of antigenic peptides on antigen-correspond to the peta 2-microglobulin molecule call allows the anchorage of the beta 2-microglobulin molecule to the call membrane, and through its carboxyl terminal to a polypeptide stretch which allows the anchorage of the beta 2-microglobulin molecule to the call membrane, and through its amino terminal to a antigenic peptide comprising major histocompatibility complex (MHC) class I epitope. The call membrane is not related to an autoimmune disease. Also described: (I) an expression vector (III) comprising (I) and is a crecombinant viral vector; (2) an antigen-presenting cell (IV) transfected with (I); (3) a DNA vaccine (V) comprising (I) or (III); (4) a cellular vaccine (V) comprising (I) or (III); (4) a cellular cells transfected with (I), where the cells casociated antigen; and (5) a pharmaceutical composition (VI) comprising (IV) which express (I) or tumour cells transfected with (I), where the cells casociated antigen; and (5) a pharmaceutical composition (VI) as an active ingredient and carrier. (I) has continued to cytostatic, antibacterial, virucide, fungicide and protozoacide corrients, and can be used in vaccines, and for inducing cytocoxic cancer or for a disease caused by a pathogenic organism. (VI) is usefull continued to the prevention or treatment of cancer, or disease caused by a pathogenic organism.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      organism, where (VI) presents one tumour associated antigen, or pathogenic antigen. (VI) is also useful for immunising a mammal against tumour-associated antigen or a disease caused by a pathogenic organism, which involves immunising the mammal with (VI). (I) is useful for inducing class I-restricted CTL response in a mammal. The present
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Novel double-chimeric beta2-microglobulin polynucleotide useful for treating cancer, comprising sequence encoding polypeptide capable of presentation of antigenic peptides.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  sequence is used in the exemplification of the present invention
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cytotoxic T lymphocyte induction; cancer; pathogenic organism;
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                                            tumour associated antigen; pathogenic antigen.
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                                                                                                                                                                                                                                                                                                                                                                                                                     12-JUN-2003; 2003WO-IL000501.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gross G, Margalit A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     σ
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Best Local Similarity
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                                                                                                                                                                                                                              WO2003106616-A2
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24-FEB-1998; 24-FEB-1997;

WO9837095-A2

27-AUG-1998

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The present invention describes a nucleic acid molecule encoding a MUC-1 derivative that is devoid of all perfect repeats. Also described: (1) a plasmid comprising the DNA molecule; (2) a protein encoded by a nucleic acid molecule; (3) a paramaceutical composition comprising the nucleic acid molecule; (3) a paramaceutical composition comprising the nucleic acid molecule; (4) a method of treating or preventing tumours. MUC-1 has cytostatic activity, and can be used in vaccines. The nucleic acid, plasmid, a protein or the pharmaceutical composition of the present invention can be used in medicine. The nucleic acid or the preparation of a medicament for the treatment or prevention MUC-1 expressing tumours. The tumour can be used in the preparation of a medicament for the treatment or prevention MUC-1 expressing tumours. The tumour can be carcinomas of the breast, lung, gastric or other gastrointestinal carcinomas. The nucleic acid vaccines are easy to produce in large quantities compared over conventional protein vaccination. Even at small doses they have been reported to induce strong immune response and can induce a cycloxic I lymphocyte immune response as well as an antibody response.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MUC-1 antigen; immune response; MUC-1; variable number of tandem repeat; VNTR; repeat unit; tumour; metastasis; cytostatic; vaccine; gene therapy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New nucleic acid molecule encoding a MUC-1 antigen, useful for preparing a composition for treating or preventing tumors or metastases.
                                                                                                              New nucleic acid molecule encoding a MUC-1 derivative that is devoid of all perfect repeats, useful as vaccine for treating or preventing MUC-1 expressing tumors e.g. carcinoma of the breast, lung or gastrointestinal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 sequence represents a MUG-1 imperfect repeat peptide, which is used in the exemplification of the present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%; Score 49; DB 8; Length 20; 100.0%; Pred. No. 0.21; ative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADF32621 standard; peptide; 20 AA.
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                                                                                                                                                                                                                                      Example; Page 16; 34pp; English.
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hes 9; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (GLAX ) GLAXO GROUP LTD
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                      Hamblin P;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2004-042811/04.
                                                                    WPI; 2004-035026/03
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 20 AA;
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                      Burden N,
                                                                                                                                                                                          carcinomas
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The MUC1 tandem repeat units AAW77230-W77232 were used to create an immunogenic mini-MUC1 fragment for inclusion in a recombinant pox virus (RPV). The RPV was used in a pharmaceutical composition also containing an immunomodulator to generate MUC1 specific cytotoxic T-lymphocytes. The recombinant pox virus therefore encodes an immunogenic MUC1 fragment that does not undergo significant genetic deletion, thereby providing an unexpectedly stable and immunogenic pox virus. They can be used to prevent or treat tumours expressing MUC1 tumour-associated antigens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New recombinant pox virus for tumour therapy - comprises DNA encoding an immunogenic mini-WUC1 fragment comprising 5-25 WUC1 tandem repeat units.
                                            MUC1; recombinant pox virus; cytotoxic T-lymphocyte; immunogen; tumour; tumour-associated antigen.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             n
Similarity 100.0%; Score 49; DB 2; Length 13;
9; Conservative 0; Mismatcher
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gritz L;
Peptide sequence encoding MUC1 tandem repeat unit c.
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Schlom J, Kantor J, Kufe D, Panicali D,
                                                                                                                                                                                                                                                                                                                                                 (THER-) THERION BIOLOGICS CORP.
(USSH ) US DEPT HEALTH & HUMAN SERVICES.
(DAND ) DANA FARBER CANCER INST INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Example 1; Page 20; 42pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADE43990 standard; peptide; 20 AA.
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                                                                                                                                                                                                                                                                                                          97US-0038253P.
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Best Local Similarity
Matches 9; Conserv
                                         MUC1; recombinant
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Homo sapiens.

Synthetic

04-DEC-2003

26-FEB-2004

ADE43990;

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Gaps

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gynthetic polypeptides. The synthetic polypeptides and polypeptides and construction of a savine. The synthetic polypeptide is useful for are referred to as a Savine. The synthetic polypeptide is useful for modulating immune responses preferably directed against a pathogen or a cancer, (e.g., cancers of the lung, breast, ovary, cervix, colon, head and neck, pancreas, prostate, stomach, bladder, kidney, bone liver, cosophagus, brain, testicle, uterus), as potentiating agents.

Compositions comprising the polypeptide may be used in the treatment or prophylaxis against viral (such as infections caused by HIV (human immunodeficiency virus), hepatitis, influenza, Japanese encephalitis virus, Epstein-Barr virus and respiratory syncytial virus), bacterial (e.g., infections caused by Neisseria, Meningococcal, Haemophilus, Salmonella, Streptococcal, Legionella and Mycobacterium or parasitic (e.g., infections caused by Plasmodium, Schistosoma, Leishmania, Trypanosoma, Toxoplasma and Giardia) infections. The present sequence is a peptide derived from a parent protein used to construct a savine of the

Sequence 30 AA;

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Gaps

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invention

synthetic polynucleotide encoding and a computer system for designing

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The present invention describes a nucleic acid molecule which encodes a MUC-1 antigen. The nucleic acid is capable of raising an immune response in vivo, has reduced susceptibility to recombination than full-length MUC-1 and comprises between 1 and 15 variable number of tandem repeats (NVTR) perfect repeat units. Also described: (1) a plasmid comprising the DNA molecule; (2) a protein encoded by the nucleic acid, plasmid or protein and an excipient, diluent or carrier; and (4) a method of protein and an excipient, diluent or carrier; and (4) a method of protein and an excipient, diluent or carrier; and (4) a method of reaching or preventing tumours or metastasses. A MUC1 antigen has cytostatic acitvity, and can be used in vaccines, and in gene therapy. The nucleic acid is useful for preparing a composition for treating or preventing tumours or metastasses. The present sequence is used in the
                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 49; DB 8; Length 20; Pred. No. 0.21; 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                    exemplification of the present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAU84987 standard; peptide; 30 AA
                        Disclosure; Page 2; 66pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            9; Conservative
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10 STAPPVENV 18
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Best Local Similarity
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Savine; vaccine; cancer; viral infection; HIV; hepatitis C virus; viral infection; human immunodeficieny virus; melanoma; bacterial infection; Salmonella; Legionella; parasitic infection; Trypanosoma; Toxoplasma; Glardia. Example 3; Fig 27; 364pp; English. 26-MAY-2000; 2000AU-00007761 (AUSU ) UNIV AUSTRALIAN NAT. Ramshaw IA; WPI; 2002-147575/19. pathogen or cancer. N-PSDB; ABK36807. Thomson SA, 

New synthetic polypeptides having several different segments of at least one parent polypeptide linked together differently compared to the linkage in the parent polypeptide, for inducing immune response against a The invention relates to a new synthetic polypeptide (I) comprising several different segments of at least one parent polypeptide linked together in a different relationship relative to their linkage in the parent polypeptide to impede, abrogate or otherwise alter at least one function associated with the parent polypeptide and for inducing an immune response against a pathogen or cancer. Also included are a

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Composition containing one or more DNA molecules encoding fragments of Mucin 1 (MUC-1) protein overexpressed in tumor cells, useful in anti-
                                                                                                                                                                                                                                                                                 Human; Mucin 1; MUC-1; tumour; pMRS30 expression vector; anti-tumour;
therapy; immune response; cytostatic; vaccine.
                              Gaps
                              ö
100.0%; Score 49; DB 5; Length 30; 100.0%; Pred. No. 0.32;
                              0; Indels
                              0; Mismatches
                                                                                                                                                                                                                                                      Human Mucin 1 (MUC-1) protein fragment #2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Di Massimo AM, De Santis R;
                                                                                                                                                                AAY71021 standard; protein; 173 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 16; Fig 2; 56pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (MENA ) MENARINI RICERCHE SPA.
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                              9; Conservative
                                                                                      STAPPVHNV 17
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                                                            STAPPVHNV
 Query Match
Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                tumor therapy
                                                                                                                                                                                                                                                                                                                              Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                    18-OCT-1999;
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                              Matches
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                                                                                                                                                                                                                  Secreted; human epithelial antigen; Monoclonal antibody H23; vaccine; malignant tumour; breast cancer; tandem repeat.
                                                                                                                                                                                                                                                                                     to 80
                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Compsns. contg. polypeptide antigen recognised by antibody H23 - for treatment of mammary tumours, also for pox virus compsns. for use in

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    /note= "contains 2 tandem repeats - can have up

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                  100.0%; Score 49; DB 3; Length 173; 100.0%; Pred. No. 1.9;
                                      Indels
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0
                                                                                                                                                                                                                                                                                                                                                                                                                                  /label= Thr, Asn
/note= "natural polymorphism"
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/note= "natural polymorphism"
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/note= "natural polymorphism"
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/note= "natural polymorphism"
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note= "natural polymorphism"
                                                                                                                                                                                                                                                                                                                           'note= "natural polymorphism'
                                      0; Mismatches
                                                                                                                                                                                              C-terminal region of H23-ETA-S antigen.
                                                                                                                                                                                                                                                                 Location/Qualifiers
                                                                                                                          AAR27664 standard; protein; 180 AA.
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                                                                                                                                                                                                                                                                                                                 'label= Pro, Ala
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    91WO-FR000835
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                                                                                                                                                                 (revised)
(first entry)
                          Local Similarity 100.
                                                                                                                                                                                                                                                                                             copies"
                                                                          127 STAPPVHNV 135
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                                                        1 STAPPVHNV 9
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N-PSDB; AAQ24681.
                                                                                                                                                                                                                                                                                                                                                                                              Misc-difference 27
Sequence 173 AA;
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                                                                                                                                                                                                                                                Homo sapiens
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                                                                                                                                                                 25-MAR-2003
06-NOV-1992
                                                                                                                                              AAR27664;
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                 Query Match
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Region
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Matches
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the breast specific proteins (BSD) they encode. The nucleic acids are useful for determining the presence of a BSNA in a sample which involves contacting the sample with a BSNA under conditions in which the BSNA will selectively hybridise to a BSNA unthe sample, and detecting the presence of a BSP in a sample which involves contacting the sample by presence of a BSP in a sample which involves contacting the sample with subble reagent under conditions in which the reagent will selectively interact with the BSP, and detecting the involves contacting of the reagent with a BSP in the sample. The nucleic acids and proteins are useful for diagnosing or monitoring the presence and metastasses of breast cancer in a patient, which involves determining an amount of nucleic acid or protein and comparing the determined amount of a breast specific marker in in the sample control, where a difference in the determined amount in the sample control, where a difference in the determined amount in the sample control, where a difference in the determined amount in the sample
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breast cancer cases; in a normal individual expression is negligible. The antigen exists in two forms: transmembrane (ETA-T) and secreted (ETA-S). Both forms show a high degree of polymorphism. A 20 amino acid subunit in ETA can be tandemly repeated up to 80 times. (N.B. two tandem repeats are shown here; the first half of the amino acid sequence, i.e. on the N-terminal side of the repeat region, is given in AAR27663). From one subunit to the next, 1 to 3 amino acids can differ. See also AAQ24678-Q24681, AAQ2276-7 and AAR23974-R23981. (Updated on 25-MAR-2003 to correct PN field.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Novel isolated polypeptide comprising breast specific protein sequences, useful for diagnosing or monitoring presence and metastases of breast
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The invention relates to human breast specific nucleic acids (BSNA) and
                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human; breast specific protein; BSP; metastasis; breast cancer;
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100.0%; Pred. No. 2;
ive 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 12; SEQ ID NO 130; 370pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human breast specific protein (BSP) #36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Turner LR,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADIS7759 standard; protein; 256 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          16-JUN-2003; 2003WO-US018934
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   14-JUN-2002; 2002US-0389327P
                                                                                                                                                                                                                                                                                                          9; Conservative
                                                                                                                                                                                                                                                                                                                                                                                           51
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                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                    1 STAPPVHNV
                                                                                                                                                                                                                                                                                                                                                                                           STAPPVHINV
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                                                                                                                                                                                                                         Sequence 180 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           cytostatic
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Homo sapiens.
Escherichia coli.
                                                                Sequence 287 AA;
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                                                                                                                                                                                                                       12-SEP-2003
29-AUG-2000
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                                                                                                                                                                                                     AAY71027;
                                                                                                                                        150
                                                                                                                                                                                                                                                                                                                          Chimeric
                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                             Key
Region
                                                                                                    Matches
                                                                                                                                                                  RESULT 14
                                                                                                                                                                             AAY7102
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breast cancer. The sequences are useful for treating a patient with breast cancer, involving administering a composition consisting of a BSNA or a BSP to a patient, where the administration induces an immune response against the breast cancer cell expressing the BSNA or BSP. This sequence represents a human BSP of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The tumour antigen recognised by antibody H23 is aberrantly expressed in epithelial cells from cancerous mammary tissue in about 90 per cent of breast cancer cases; in a normal individual expression is negligible. The antigen exists in two forms: transmembrane (ETA-T) and secreted (ETA-S).
                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Compsns. contg. polypeptide antigen recognised by antibody H23 - for treatment of mammary tumours, also for pox virus compsns. for use in
                                                                                                                                                                                                                                                          ETA-S; human epithelial antigen; Monoclonal antibody H23; vaccine; malignant tumour; breast cancer; tandem repeat.
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                                                                         100.0%; Score 49; DB 8; Length 256; 100.0%; Pred. No. 2.8;
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                                                                                                                                                                                                                                                                                                                                                                                                                 /label= Pro, Ala
/note= "natural polymorphism"
                                                                                                                                                                                                                                                                                                                                                                       'note= "natural polymorphism"
                                                                                                                                                                                                                                                                                                                                                                                      label= Thr, Asn
'note= "natural polymorphism"
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                                                                                            0; Mismatches
                                                                                                                                                                                                                                                                                                       Location/Qualifiers
                                                                                                                                                                           AAR27665 standard; protein; 287 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim 3; Page 19-21; 29pp; French.
                                                                                                                                                                                                                                         Secreted form of H23-ETA antigen.
                                                                                                                                                                                                                                                                                                                                                             'label= Pro, Ala
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Lathe R,
                                                                                                                                                                                                                                                                                                                  .. .21
'label= signal
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/label= ETA-T
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                                                                                                                                                                                                                        (first entry)
                                                                                 Local Similarity 100 es 9; Conservative
                                                                                                                          130 STAPPVHNV 138
                                                                                                                                                                                                                (revised)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Chambon P, Kieny MP,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (TRGE ) TRANSGENE SA.
                                                                                                             1 STAPPVHNV 9
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                                                        Sequence 256 AA;
                                                                                                                                                                                                                                                                                                                                                     Misc-difference
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                                                                                                                                                                                                                                                                                       Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                30-APR-1992
                                                                          Query Match
                                                                                                                                                                                             AAR27665
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       vaccines
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                                                                                                                                                                                                                                                                                                                 Peptide
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Matches
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Both forms show a high degree of polymorphism. A 20 amino acid subunit in ETA can be tandemly repeated up to 80 times. From one subunit to the next, 1 to 3 amino acids can differ. DNA coding for immunogenic fragments of ETA can be inserted into e.g. vaccinia viruses for treatment of mammary tumours. See also AAQA4678-024681, AAQ29276-7 and AAR23974-R23981. (Updated on 25-MAR-2003 to correct PN field.)

    1.23
    1.12a UBILacI protein
    1.12bel "Contains ubiquitin sequence fused to a portion of E. coli Laci"

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The present sequence is a fusion protein consisting of human Mucin 1 (MUC-1) fragment fused to UBILacI sequence at the N-terminus. The UBILacI sequence consists of ubiquitin from MCF7 cell line and a portion of E. coll beta-galactosidase (LacI). MUC-1 is an antigenic protein overexpressed in tumour cells. The corresponding DNA sequence is cloned into a pMRS30 expression vector and used in pharmaceutical composition e.g. vaccine for inducing an antigen-specific anti-tumour immune
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                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Ubiquitin; LacI; beta-galactosidase; fusion protein; human; Mucin 1; MUC-1; tumour; pMRS30 expression vector; anti-tumour; therapy; immune response; cytostatic; vaccine.
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                                                                                                                                                                                                                                                                                         2; Length 287;
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                                                                                                                                                                                                                                                                                         100.0%; Score 49; DB 2 100.0%; Pred. No. 3.2;
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/label= Human_MUC-1_fragment
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (first entry)
                                                                                                                                                                                                                                                                                                                                                            Conservative
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N-PSDB; AAD00391.
                                                                                                                                                                                                                                                                                                                Local Similarity
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The invention relates to a nucleic acid vaccine comprising one or more tumour antigen-encoding nucleic acids and one or more cytokine adjuvant-encoding nucleic acids. The tumour antigen encoded by the vaccine is mucin 1 (MUC-1), the kallikrein KLK3, or prostate specific antigen (PSA, also known as KLK3), and the cytokine adjuvant encoded can be interleukin also known as KLK3), and the cytokine adjuvant encoded can be interleukin or especially interleukin-18 (IL-18), granulocyte macrophage-colony stimulating factor (GM-CSF), or especially interleukin-18 (IL-18). The antigen-encoding nucleic acid is preferably under the control of a promoter such as the cytomegalovirus immediate early promoter, the dihydrofoliate reductase promoter or the carly or late SV40 promoters. The invention also encompasses the method of eliciting an immune response to a tumour antigen and adjuvant induces a humoral or cellular response to the tumour antigen, generating an immune reponse useful for treatment or prophylaxis of cancers. The presents a mucin 1 (MUC-1) polypeptide sequence which is specifically claimed for use in the vaccine of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New nucleic acid vaccine, useful for eliciting an immune response to a cancer associated tumor protein in a mammal.
Composition containing this DNA molecule is useful in anti-
srapy of patients affected with tumours characterised by high
ression. (Updated on 12-SEP-2003 to standardise OS field)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Nucleic acid vaccine; DNA vaccine; tumour antigen; cytokine adjuvant; humoral response; cellular response; immune response; immunotherapy; cancer; cytostatic; vaccine; gene therapy; mucin 1; MUC-1.
                                                                                                                                                             Gaps
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                                                                                                                  Query Match 100.0%; Score 49; DB 3; Length 295; Best Local Similarity 100.0%; Pred. No. 3.3; Matches 9; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                        Mucin 1 (MUC-1) splice variant #1, SEQ ID NO:26.
                                                                                                                                                                                                                                                                                                                                    ADA50571 standard; protein; 307 AA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  10-OCT-2001; 2001US-0328371P
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                                                                                                                                                                                                                    249 STAPPVHNV 257
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2003-393437/37.
N-PSDB; ADA50572.
response. Composit
tumour therapy of
MUC-1 expression.
                                                                             Sequence 295 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Unidentified
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Branigan PJ;
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100.0%; Score 49; DB 6; Length 307; 100.0%; Pred. No. 3.4;

Query Match Best Local Similarity

Sequence 307 AA;

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Gaps
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Indels
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Mismatches
                                                                      Search completed: December 9, 2004, 13:54:22 Job time : 153 secs
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9; Conservative
                                       170 STAPPVHNV 178
                    1 STAPPVHNV 9
Matches
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APPLICANT: CHAMBON, Pierre
APPLICANT: KIENY, Marie-Paule
APPLICANT: LATHE, Richard
APPLICANT: HARBUVENI, Mara
TITLE OF INVENTION: PHARMACEUTICAL COMPOSITION FOR THE
TITLE OF INVENTION: TREATWENT OR PREVENTION OF SEQUENCES:
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURMS, DOANE, SWECKER & MATHIS, L.L.P.
                                                                                                   Sequence 1
Sequence 1
Sequence 2
Sequence 2
Sequence 2
Sequence 5
Sequence 5
                                          Sequence
Sequence
Sequence
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ZUDINTRY: United States
ZID: Z2313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: DEPLOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NAMER: US/08/479,537A
FILING DATE: 07-JUN-1995
FILING DATE: 23-0CT-1990
FRIOR APPLICATION NAMER: WO PCT/FR91/00835
FILING DATE: 32-0CT-1990
FRIOR APPLICATION NUMBER: US 08/039,320
FILING DATE: 04-APRR-1993
FRIOR APPLICATION NUMBER: US 08/039,320
FILING DATE: 14-MAR-1995
APPLICATION NUMBER: US 08/039,326
FILING DATE: 14-MAR-1995
APPLICATION NUMBER: S. 35-005
FRIOR APPLICATION NUMBER: S. 35-030
FRIOR APPLICATION NUMBER: S. 35-030
FREDENATION NUMBER: 35-030
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS, L.L.P. STREET: P.O. SOK 1404
             US-09-601-729-140
US-09-601-729-140
US-09-601-729-140
US-08-08-93-14-4
US-08-83-807-14
US-09-53-870A-23
US-09-53-870A-23
US-09-497-23-5
US-09-497-23-5
US-09-497-23-5
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US-09-497-23-6
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TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEPAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 5:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 5, Application US/08479537A
Patent No. 5861381
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CHARACTERISTICS:
: 1867 amino acids
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US-08-479-537A-5
Appli
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Sequence 5, Appl
                                                                                                                                  9, 2004, 13:49:19 ; Search time 38 Seconds (without alignments) 15.707 Million cell updates/sec
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Sequence 19,
Sequence 45,
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Sequence 19,
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Sequence 2,
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/cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
/cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
/cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
/cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
/cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
                 GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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US-08-787-547-55
US-08-288-059-19
US-09-593-870A-45
US-09-497-232-1
US-09-043-731-19
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Maximum Match 100%
Listing first 45 summaries
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Gapop 10.0 , Gapext 0.5
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                                                                                                                                                                                                                                                                                                                                                                                                                                                               Minimum DB seq length: 0
Maximum DB seq length: 200000000
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1 STAPPVHNV 9
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Perfect score:
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which is the codon for Pro or Ala wherein Pro = CCT, CCC, CCA
or CCG; and Ala = GCT, GCC, GCA, or GCG."
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128 to 172 constitute a repeated regio:
20 amino acids, 17 of which are fixed.
repeats varies from 1 to 40."
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PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/479,537
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/FR91/00835
FILING DATE: 23-0CT-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/039,320
FILING DATE: 04-ARR-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/403,576
FILING DATE: 14-WAR-1995
ATTORNEY/AGENT INFORWATION:
NAMME: Teestin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 017753-025
TELEPHONE: (703) 836-2021
TELEPHONE: (703) 836-2021
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 1867 amino acids
TELENGTH: 1867 amino acids
TELENGTH: 1867 amino acids
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US-09-134-916A-5
; Sequence 5, Application US/09134916A
; Patent No. 628956
; Patent INFORMATION:
; APPLICANT: CHAMBON, Pierre
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LENGTH: 1867 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:
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LOCATION: 128..1727
OTHER INFORMATION: 20
OTHER INFORMATION: 20
OTHER INFORMATION: EFRATURE:
NAME/KEY: Peptide
LOCATION: 134
OTHER INFORMATION: //
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; LOCATION: 1..21
; OTHER INFORMATION:
; OTHER INFORMATION:
; US-09-083-116-5
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LOCATION: 144
OTHER INFORMATION:
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NAME/KEY: Peptide
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which is the codon for Pro or Ala wherein Pro = CCT, CCC, CCA
or CCG; and Ala = GCT, GCC, GCA, or GCG."
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128 to 1727 constitute a repeated region wherein the repeat
20 amino acids, 17 of which are fixed. The number of such
repeats varies from 1 to 40."
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which is the codon for Pro or Ala wherein Pro = CCT, CCC,
or CCG; and Ala = GCT, GCC, GCA, or GCG."
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; Patent No. 6203795
; GENERAL INFORMATION:
    APPLICANT: CHAMBON, Pierre
    APPLICANT: CHAMBON, Pierre
    APPLICANT: LATHE, Richard
    APPLICANT: LATHE, Richard
    APPLICANT: HARBUTCH: Mara
    TITLE OF INVENTION: PHARAGEUTICAL COMPOSITION FOR THE
    TITLE OF INVENTION: TREATMENT OR PREVENTION OF A MALIGNANT TUMOR
    NUMBER OF SEQUENCES: 5
    CORRESPONDENCE ADDRESS: 5
    CARESPONDENCE ADDRESS: ADDRESS: ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS, L.L.P.
    STREET: P.O. Box 1404
    STREET: V.O. Box 1404
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Best Local Similarity 100.0%; Pred. No. 5.1;
Matches 9; Conservative 0; Mismatches 0; Indels
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/083,116
                                                                                               MOLECULE TYPE INTEGER
NAME/KEY: Peptide
LOCATION: 128..1727
OTHER INFORMATION: 128
OTHER INFORMATION: 20
OTHER INFORMATION: 20
OTHER INFORMATION: rep
FEATURE:
NAME/KEY: Peptide
LOCATION: 134
OTHER INFORMATION: whi
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OTHER INFORMATION: whi
FEATURE:
NAME/KEY: Peptide
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FEATURE:
NAME/KEY: Peptide
LOCATION: 147
OTHER INFORMATION:
OTHER INFORMATION:
OTHER INFORMATION:
FEATURE:
NAME/KEY: Peptide
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OTHER INFORMATION:
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                                                   STRANDEDNESS: Sil
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CLASSIFICATION:
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US-09-083-116-5
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which is the codon for Pro or Ala wherein Pro = CCT, CCC, CC or CCG; and Ala = GCT, GCC, GCA, or GCG."
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                                                                                                                                                                        Ouery Match 100.0%; Score 49; DB 3; Length 1867; Best Local Similarity 100.0%; Pred. No. 5.1; Matches 9; Conservative 0; Mismatches 0; Indels (
                                                                                                  /note= "Amino acids 1 to 21 are a 21 amino acid precursor sequence."
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STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:
                                                                                                                                                                                                                                                                                     1730 STAPPVHNV 1738
                                                          ) NAME/KEY: Peptide
; LOCATION: 1..21
; OTHER INFORMATION: /
; OTHER INFORMATION: 2
US-09-134-916A-5
         OTHER INFORMATION:
OTHER INFORMATION:
FEATURE:
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US-08-479-537A-2
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which is the codon for Pro or Ala wherein Pro = CCT, CCC, CCA
or CCG; and Ala = GCT, GCC, GCA, or GCG."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /note= "Amino acid 144 is Y = Xaa
which is the codon for Thr or Asn wherein Thr = ACT, ACC, ACA
or ACG; and Asn = AAT or AAC."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /note= "The amino acids spanning
128 to 1727 constitute a repeated region wherein the repeat
20 amino acids, 17 of which are fixed. The number of such
repeats varies from 1 to 40."
APPLICANT: KIENY, Marie-Paule
APPLICANT: LATHE, Richard
APPLICANT: LATHE, Richard
APPLICANT: HARBUTENI, Mara
TITLE OF INVENTION: PHARMACEUTICAL COMPOSITION FOR THE
TITLE OF INVENTION: TREATMENT OR PREVENTION OF A MALIGNANT TUMOR
NUMBER OF SCUENCES:
ADDRESSE: BURNS, DOANE, SWECKER & MATHIS, L.L.P.
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS, L.L.P.
STREET: P.O. Box 1404
CITY: Alexandria
STRATE: Virginia
STRATE: Virginia
COUNTRY: United States
ZIP: Z2313-1404
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PAECHIN Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/134,916A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME/KEY: Peptide
LOCATION: 144
OTHER INFORMATION: which is the codon for Thr or Asn wOTHER INFORMATION: or ACG; and Asn = AAT or AAC."
EBATURE:
NAME/KEY: Peptide
LOCATION: 147
OTHER INFORMATION: or ACG; and Asn = AAT or AAC."
                                                                                                                                                                                                                                                                                                                                                                                             CLASSIPICATION:
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/479,537
FILING DATE: 07-UN-1995
APPLICATION NUMBER: FR 90/13101
FILING DATE: 23-OCT-1990
PRIOR APPLICATION DATA:
PRIOR APPLICATION NUMBER: W0 PCT/FR91/00835
FILING DATE: 23-OCT-1991
PRIOR APPLICATION NUMBER: US 08/039,320
FILING DATE: 04-APR-1993
PRIOR APPLICATION NUMBER: US 08/403,576
FILING DATE: 14-MAR-1995
APPLICATION NUMBER: US 08/403,576
FILING DATE: 14-MAR-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 017753-025
TELEPHONE: (703) 836-6620
INFORMATION 936-6221
INFORMATION FRO SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 1867 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FEATURE:
NAME/KRY: Peptide
LOCATION: 128.1727
OTHER INFORMATION: 17
OTHER INFORMATION: 20
OTHER INFORMATION: 20
OTHER INFORMATION: 26
OTHER INFORMATION: 26
OTHER INFORMATION: 76
OTHER INFORMATION: 76
OTHER INFORMATION: 76
OTHER INFORMATION: 77
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MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE
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/note= "The amino acids spanning
128 to 1899 constitute a repeated region wherein the repeat i.
20 amino acids, 17 of which are fixed. The number of such
repeats varies from 1 to 40."
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which is the codon for Thr or Asn wherein Thr = ACT, ACC, ACA
or ACG; and Asn = AAT or AAC."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           = CCT, CCC, CCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /note= "Amino acid 134 is X1 = Xaa
Xaa Xaa which is the codon for Pro or Ala wherein Pro = CCT,
CCC, CCA, or CCG; and Ala = GCT, GCC, GCA, or GCG."
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which is the codon for Pro or Ala wherein Pro
or CCG; and Ala = GCT, GCC, GCA, or GCG."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 6
US-09-134-916A-2
US-09-134-916A-2
Sequence 2, Application US/09134916A
Patent No. 6328956
GENERAL INFORMATION:
APPLICANT: CHAMBON, Pierre
APPLICANT: LATHE, Richard
APPLICANT: HAREVENI, Marie-Paule
APPLICANT: HAREVENI, Marie
TITLE OF INVENTION: PHARMACEUTICAL COMPOSITION FOR THE
TITLE OF INVENTION: TREATMENT OR PREVENTION OF A MALIGNANT TUMOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         .
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Indels
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   PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/039,320
FILING DATE: 04-APR-1993
PRIOR APPLICATION NUMBER: US 08/403,576
FILING DATE: 14-MAR-1995
ATTORNEY ARENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE DOCKET NUMBER: 017753-025
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION ON 386-2021
INFORMATION FOR SEQ ID NO: 2:
SEQUIENCE CHARACTERISTICS:
LENGTH: 2035 amino acids
TYPE: amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME/KEY: Peptide
LOCATION: 128..1899
OTHER INFORMATION: /L
OTHER INFORMATION: 12
OTHER INFORMATION: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY: linear
MOLECULE TYPE: peptide
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME/KEY: Peptide
LOCATION: 144
OTHER INFORMATION:
OTHER INFORMATION:
OTHER INFORMATION:
FEATURE:
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NAME/KEY: Peptide
LOCATION: 1.21
OTHER INFORMATION:
OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FEATURE:
NAMEA/KEY: Peptide
LOCATION: 134
OTHER INFORMATION:
OTHER INFORMATION:
OTHER INFORMATION:
FEATURE:
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LOCATION: 147
OTHER INFORMATION:
OTHER INFORMATION:
OTHER INFORMATION:
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /note= "Amino acid 144 is Y = Xaa
which is the codon for Thr or Asn wherein Thr = ACT, ACC, ACA
or ACG; and Asn = AAT or AAC."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /note= "Amino acid 147 is X2 = Xaa
which is the codon for Pro or Ala wherein Pro = CCT, CCC, CCD
or CCG, and Ala = GCT, GCC, GCA, or GCG."
                                                                                                                                                                                                                                                                            /note= "Amino acid 134 is X1 = Xaa
Xaa Xaa which is the codon for Pro or Ala wherein Pro = CCT,
CCC, CCA, or CCG; and Ala = GCT, GCC, GCA, or GCG."
                                       /note= "The amino acids spanning
128 to 1899 constitute a repeated region wherein the repeat
20 amino acids, 17 of which are fixed. The number of such
repeats varies from 1 to 40."
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US-09-083-116-2

Jus-09-083-116-2

Jus-09-083-116-2

Jus-09-083-116-2

Justice 2, Application US/09083116

Justice 2, Application US/09083116

Justice 2, Application US/09083116

Justice 2, Application US/09083116

Justice 2, Augusta 100, Pierre

APPLICANT: CAMEN, Marie-Paule

APPLICANT: LATHE, Richard

APPLICANT: HAREUVEN: PHARMACEUTICAL COMPOSITION FOR THE

TITLE OF INVENTION: TREATMENT OR PREVENTION OF A MALIGNANT TUMOR

NUMBER OF SEQUENCES: 5

CORRESPONDENCE ADDRESS: 5

ADDRESSES: BUTNS, DOANE, SWECKER & MATHIS, L.L.P.

STREET: P.O. Box 1404

CITY: Alexandria

STREET: P.O. Box 1404

COUNTRY: Unfied States

JIP: 22331-1404

COMPUTER: READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC Compatible

COMPUTER: IBM PC Compatible

COMPUTER: IBM PC Compatible

COMPUTER: IBM PC Compatible

COMPUTER: BATHILIN Release #1.0, Version #1.30

CURRENT APPLICATION NUMBER: US/09/083,116
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /note= "Amino acids 1 to 21 are a 21 amino acid precursor sequence."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/FR91/00835
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/479,537
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 100.
LOCATION: 128.11899
OTHER INFORMATION: 12
OTHER INFORMATION: 12
OTHER INFORMATION: 22
OTHER INFORMATION: xe
FEATURE:
NAME/KEY: Peptide
LOCATION: 134
OTHER INFORMATION: XC
OTHER INFORMATION: XC
FEATURE:
NAME/KEY: Peptide
LOCATION: 144
OTHER INFORMATION: XC
CATION: 144
OTHER INFORMATION: XC
OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1730 STAPPVHNV 1738
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME/KEY: Peptide
LOCATION: 147
OTHER INFORMATION:
OTHER INFORMATION:
OTHER INFORMATION:
FEATURE:
NAME/KEY: Peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LOCATION: 1.721
OTHER INFORMATION:
OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE
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Gaps
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                                                                                             100.0%; Score 49; DB 3; Length 2035; 100.0%; Pred. No. 5.6; cive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 39; DB 1; Lengtn >;
Pred. No. 3.86+05;
2; Indels
/note= "Amino acids 1 to 21 are a 21 amino acid precursor sequence."
                                                                                                                                                                                                                                                                                                                                               Sequence 55, Application US/08787547
; Patent No. 5783567
; GENERAL INFORMATION:
GENERAL INFORMATION:
; APPLICANT: Hedley, Mary Lynne
; APPLICANT: Curley, Joanne M.
; TITLE OF INVENTION: MICROPARTICLES FOR DELIVERY
; TITLE OF INVENTION: OF NUCLEIC ACID
NUMBER OF SEQUENCES: 107
; CORRESPONDENCE ADDRESS:
; STREET: 225 Franklin Street
; CITY: Boston
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STATE: MAS

COUNTRY: US

ZIP: 02110-2804

ZIP: 02110-2804

COMPUTER READABLE FORM:
MEDIUM TYPE: DISACETE
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FASTESEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/787,547

FILING DATE: 22-JAN-1997

CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 84,819

REGISTRATION NUMBER: 91,003001

TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION OF SECOND OF TELEX: 200154

INFORMATION FOR SEQ ID NO: 55:
SEQUENCE CHARACTERISTICS:
LEMBOTH: 9 amino acids
TUBENTH: 9 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 79.68;
                                                                       Query Match
Best Local Similarity 100..
Lag 9, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; TOPOLOGY: linear; MOLECULE TYPE: peptide US-08-787-547-55
; OTHER INFORMATION:
; OTHER INFORMATION:
US-09-134-916A-2
                                                                                                                                                                                         1 STAPPVHNV 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
Matches 7; Conserv
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US-08-787-547-55
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which is the codon for Thr or Asn wherein Thr = ACT, ACC, ACA
or ACG; and Asn = AAT or AAC."
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Xaa Xaa which is the codon for Pro or Ala wherein Pro = CCT,
CCC, CCA, or CCG; and Ala = GCT, GCC, GCA, or GCG."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /note= "The amino acids spanning
128 to 1899 constitute a repeated region wherein the repeat
20 amino acids, 17 of which are fixed. The number of such
repeats varies from 1 to 40."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /note= "Amino acid 147 is X2 = Xaa which is the codon for Pro or Ala wherein Pro = CCT, CCC, or CG3, and Ala = GCT, GCC, GCA, or GCG."
              CORRESPONDERS:
ADDRESSE:
ADDRESSE:
ADDRESSE:
BURNS, DOANE, SWECKER & MATHIS, L.L.P.
STREET: P.O. Box 1404
CITY: Alexandria
CITY: Alexandria
COUNTRY: United States
ZIP: 22313-1404
COMPUTER: READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIR RELease #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/134,916A
                                                                                                                                                                                                                                                                                                                                        FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/479,537
FILING DATE: 07-UN-1995
APPLICATION NUMBER: FR 90/13101
FILING DATE: 23-0CT-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/FR91/00835
FILING DATE: 30-0CT-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WG 80/039,320
FILING DATE: 04-ARR-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/403,576
FILING DATE: 14-MAR-1995
ATTORNEY/AGENT INFORMATION:
AMME: TESKIN, ROBIN L:
REGISTRATION NUMBER: 35,030
FELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION OF SEQ ID NO: 2:
LENGTH: 2035 amino acids
TYPE: Amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TOPOLOGY: Bingle TOPOLOGY: linear MOLECULE TYPE: peptide FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME/KEY: Peptide
LOCATION: 128..1899
OTHER INFORMATION: //
  NUMBER OF SEQUENCES: 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           OTHER INFORMATION:
OTHER INFORMATION:
FEATURE:
NAME/KEY: Peptide
LOCATION: 134
OTHER INFORMATION:
OTHER INFORMATION:
OTHER INFORMATION:
FEATURE:
NAME/KEY: Peptide
LOCATION: 144
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           OTHER INFORMATION:
OTHER INFORMATION:
OTHER INFORMATION:
PEATURE:
NAME/KEY: Peptide
LOCATION: 147
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OTHER INFORMATION:
OTHER INFORMATION:
FEATURE:
NAME/KEY: Peptide
LOCATION: 1..21
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Indela

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Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20007-5109
COMPUTER READABLE FORM:
MEDIUM IYPE: Floppy disk
                                                                                                                                                                                            Sequence 1, Application US/09497232
Patent No. 6600012
GENERAL INFORMATION:
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                                                                                                                                                                                                                                                               APPLICANT: AGRAWAL, Babita
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE CHARACTERISTICS:
LENGTH: 9 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            INFORMATION FOR SEQ ID NO: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 77.8
Matches 7; Conservative
7; Conservative
                                           1 STAPPVHNV 9
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                                                                                     STAPPAHGV
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                                                                                                                                                                          US-09-497-232-1
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Matches
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         APPLICANT: FONTENOT, J. D.
APPLICANT: FONTENOT, J. D.
TITLE OF INVENTION: SYNTHETIC MULTIPLE TANDEM REPEAT MUCIN
TITLE OF INVENTION: SYNTHETIC MULTIPLE TANDEM REPEAT MUCIN
TITLE OF INVENTION: AND MUCIN-LIKE PEPTIDES, AND USES THEREOF
NUMBER OF SEQUENCES: 36
CORRESPONDENCE JOSE
ADDRESSE: ADDRESSE: ADDRESS: ADDRESSE: ADDRESSE: ADDRESSE: ADDRESSE: ADDRESSE: ADDRESSE: ADDRESSE: ADDRESSE: DIO NEW YORK AVENUE, N.W.
STARET: ILON NEW YORK AVENUE, N.W.
START: D.C.
COUNTRY: USA
ZIP: 20005
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 45, Application US/09593870A

Fatent No. 6548643

GENERAL INFORMATION:
APPLICANT: McKenzie, Ian F.C.
APPLICANT: Apostolopulos, Vasso
APPLICANT: Pieters, Geoff Allan
TITLE OF INVENTION: Autigen Carbohydrate Compounds and Their
TITLE OF INVENTION: Use in Immunotherapy
FILE REFERENCE: 2368-McKenzie
CURRENT FAPLICATION NUMBER: US/09/593,870A

FRIOR APPLICATION NUMBER: 09/223,043

FRIOR FILING DATE: 1998-12-30

NUMBER OF SEQ ID NOS: 69

SOFTWARE: FastSEQ for Windows Version 3.0

FEGURE OF SEG ID NOS: 69

SEG ID NO 45
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Pred. No. 3.8e+05;
0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 39; DB 2; Length 9;
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                                                                                                                                                                                                                                                      COMPUTER READBLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/288,059
FILING DATE: 08-AuG-1994
CLASSIFICATION WIMBER: US/08/288,059
FILING DATE: 08-AuG-1994
TLASSIFICATION NUMBER: 35,843
RAPEIGSTRAINON NUMBER: 35,843
REFERENCE/DOCKET NUMBER: 35,843
REFERENCE/DOCKET NUMBER: 61137/205204
FELEFAX: 202-861-3711
TELEFAX: 202-821-944
TELEFAX: 6714627 CCSH
TELEFAX: 9 amino acids
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Pred. No. 3.8e+05;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 77.8
Matches 7, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
CORGANISM: Homo sapiens
US-09-593-870A-45
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: amino acid
STRANDEDNESS: sir
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 -09-593-870A-45
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     Gaps
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                                                                                                                                                                                                                                                                                                                                         REDDISH, Mark A.
LONGENECKER, B. Michael
LONGENECKER, B. Michael
TITLE OF INVENTION: METHOD FOR GENERATING ACTIVATED T-CELLS
AND ANTIGEN-PULSED ANTIGEN-PRESENTING CELLS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APELICATION DATA:
APPLICATION NUMBER: US/09/497,232
FILING DATE: 03-Feb-2000
CLASSIFICATION: CUNKnown>
PRIOR APPLICATION: CUNKnown>
PRIOR APPLICATION NUMBER: US/09/074,410
FILING DATE: 08-MAY-1998
APPLICATION NUMBER: US 60/045,949
FILING DATE: 08-MAY-1997
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 9;
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Parent No. 6344203.
Parent INFORMATION:
APPLICANT: The Austin Research Institute
TITLE OF INVENTION: Mimicking Peptides in Cancer Therapy
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME: Saxe, Bernhard D.
REGISTRATION NUMBER: 28,665
REGISTRATION NUMBER: 042881/0114
TELECOMUNICATION INFORMATION:
TELEPHONE: (202) 672-5300
TELEFAX: (202) 672-5399
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY: linear
MOLECULE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
                                                                                                                                                                                                                                                                                                                                                                                                                                  NUMBER OF SEQUENCES: 34
CORRESPONDENCE ADDRESS:
ADDRESSE: FOLEY & LARDNER
STREET: 3000 K Street, N.W.
CITY: Washington
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1 STAPPVHNV 9
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 amino acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 14
US-08-288-059-1
                                                                                              RESULT 13
US-08-288-059-9
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STREET:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION:

APPLICANT: FINN, OLIVERA J.

APPLICANT: FONTENOT, J. D.

APPLICANT: FONTENOT, J. D.

APPLICANT: FONTENOT, J. D.

APPLICANT: PONTENOT, J. D.

TITLE OF INVENTION: SYNTHETIC MULTIPLE TAMDEM REPEAT MUCIN

TITLE OF INVENTION: SYNTHETIC MULTIPLE TAMDEM REPEAT MUCIN

TITLE OF INVENTION: AND MUCIN-LIKE PEPTIDES, AND USES THEREOF

NUMBER OF SEQUENCES: 10

CORRESPONDENCE ADDRESS:

ADDRESSER: CUSHWAN, DARBY & CUSHWAN

STREET: J. 100 NEW YORK AVENUE, N.W.

CITY: WASHINGTON

CITY: WASHINGTON

STREET: D.C.

COUNTRY: USA

ZIP: 20005

COUNTRY: USA

ZIP: 20005

COUNTRY: USA

STREET: AB PC COMPATIBLE

COUNTRY: TEM PC COMPATIBLE

CONTRES: PLOPDY disk

CONTRES: PLOPDY disk

CONTRES: ADDRESSER: DOLL 1993

CLASSIFICATION NUMBER: US/08/099,354

FILING DATE: 30-UUL-1993

CLASSIFICATION NUMBER: 18221

REFERENCE/DOCKET NUMBER: 6137/202246

TELEPHONE: 202-801-3336

TELEPHONE: 202-801-3336

TELEPHONE: 202-801-3336

TELEPHONE: GTARACTERISTICS:

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ERWOTT INFORMATICS:

TELEPHONE: 202-801-3336

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                                                                                                                                                                                                                     TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: single
OTHER INFORMATION: stranded linear peptide
US-09-043-731-19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 39; DB 3; Length 16; Pred. No. 1.7; 0; Mismatches 2; Indels
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                    CURRENT APPLICATION NUMBER: US/09/043,731A CURRENT FILING DATE: 1998-06-23 NUMBER OF SEQ ID NOS: 26 SOFTWARE: Patentin Ver. 2.0 SEQ ID NO 19 LENGTH: 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 3, Application US/08099354
Patent No. 5744144
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 77.8%;
Matches 7; Conservative 0
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STRANDEDNESS: single
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MOLECULE TYPE: peptide
FILE REFERENCE: CALA-200
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RESERVATION TO STATE OF THE PROPERTY 13

PRESERVATION TO STATE OF THE PROPERTY OF THE PROPERTY
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1 STAPPVHNV 9

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Sequence 35. Application US/08288059

Patent No. 5827666

GENERAL INFORMATION:

APPLICANT: FINN, OLIVERA J.

APPLICANT: FONTENCY, J. D.

APPLICANT: FONTENCY, J. D.

APPLICANT: MANIFELRO, ROWALD C.

TITLE OF INVENTION: SYNTHETIC MULTIPLE TANDEM REPEAT MUCIN

TITLE OF INVENTION: SYNTHETIC MULTIPLE TANDEM REPEAT MUCIN

TITLE OF INVENTION: AND MUCIN-LIKE PEPTIDES, AND USES THEREOF

CORRESPONDENCE ADDRESS:

ADDRESSEE: ADDRESSEE: ADDRESSEE:

ADDRESSEE: CUSHMAN DARBY & CUSHMAN, L.L.P.

STATE: D.C.

COUNTY: WASHINGTON

STATE: D.C.

CONPUTER READABLE FORM:

MEDIUM TYPE: Ploppy disk

COMPUTER READABLE FORM:

MEDIUM TYPE: Ploppy disk

COMPUTER: IBM PC Compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: JS, 843

REPERRINCE/DOCKET NUMBER: 35, 843

REPER
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COMPUTER READBLE FORM:
MEDIUM TYPE: Floppy disk.
COMPUTER: IBM PC compatible
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/288,059
FILING DATE: 08-AUG-1994
CLASSIFICATION: A424
ATTORNEY/AGENT INFORMATION:
NAME: CHAPIN, MARLANA K.
REGISTRATION NUMBER: 35,843
REPERENCE/DOCKET NUMBER: 61137/205204
TELEPHONE: 202-861-3711
TELEPHONE: 202-82-0944
TELEPHONE: 202-82-0944
INFORMATION FOR SEG ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
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INFORMATION FOR SEG ID NO: 1:
SEGUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
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77.8%; Pred. No. 2.1;
tive 0; Mismatches
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Best Local Similarity 77.8
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TOPOLOGY: linear in MOLECULE TYPE: peptide US-08-288-059-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                9 STAPPAHGV 17
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December 9, 2004, 13:57:50 ; Search time 144 Seconds (without alignments) 22.324 Million cell updates/sec
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3 of prodata/2/pubpaa/0s0;
4 of prodata/2/pubpaa/0s0;
5 of prodata/2/pubpaa/0s0;
5 of prodata/2/pubpaa/0s0;
5 of prodata/2/pubpaa/0s0;
6 of prodata/2/pubpaa/0s0;
7 of prodata/2/pubpa/0s0;
7 of pr
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/cgn2_6/ptodata/2/pubpaa/US10D_PUBCOMB.pep:*
/cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep:*
/cgn2_6/ptodata/2/pubpaa/US11_NEW_PUB.pep:*
/cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep:*
/cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep:*
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GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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/cgn2_6/ptodata/2/pubpaa/USO7_PU
/cgn2_6/ptodata/2/pubpaa/USO6_NE
/cgn2_6/ptodata/2/pubpaa/USO6_PU
/cgn2_6/ptodata/2/pubpaa/USO6_PU
/cgn2_6/ptodata/2/pubpaa/USO8_PU
/cgn2_6/ptodata/2/pubpaa/USO8_NE
/cgn2_6/ptodata/2/pubpaa/USO8_NE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1585576 segs, 357178320 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Published Applications AA:*
                                                                                                                                                                                               OM protein - protein search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 BLOSUM62
Gapop 10.0 , Gapext 0.5
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Maximum DB seq length: 2000000000
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49
1 STAPPVHNV 9
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114:
118:
119:
119:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Title:
Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Database :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence:
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                                                                                                                                                                                                                                                                                                 Run on:
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

			-										
	App1		Appl	8, Ap	Appl	, App	Appl	Appli	Appl	Appl	, App	, App	Appl
_	43,	98	18,	116	26,	824	22,	٦,	20,	20,	212	156	19,
Description	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence
			_						-				
ΙD	US-10-247-703-43	US-10-447-161-98	US-10-057-136-18	US-10-296-734-1168	US-10-247-703-26	US-10-296-734-824	US-10-247-703-22	US-10-417-312-1	US-10-057-136-20	US-10-247-703-20	US-10-097-340-212	US-10-171-311-156	US-10-612-090-19
DB	14	15	14	15	14	12	14	14	14	14	14	14	15
Length	6	6	13	30	307	312	475	475	508	515	515	515	515
Query	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Score	49	49	49	49	49	49	49	49	49	49	49	49	49
Regult No.	1	7	e	4	S	9	7	80	თ	10	11	12	13
	Query Score Match Length DB	Query         Score Match Length DB ID         Description           49 100.0         9 14 US-10-247-703-43         Sequence 43,	Query         Score Match Length DB ID         Description           49 100.0         9 15 US-10-247-703-43         Sequence 43, 29, 10.0           49 100.0         9 15 US-10-447-161-98         Sequence 98, 20, 20, 20, 20, 20, 20, 20, 20, 20, 20	Query       Score       Match Length DB ID       Description         49 100.0       9 14 US-10-247-703-43       Sequence         49 100.0       9 15 US-10-447-161-98       Sequence         49 100.0       13 14 US-10-057-136-18       Sequence	Query         Score         Match Length DB ID         Description           49 100.0         9 14 US-10-247-703-43         Sequence           49 100.0         9 15 US-10-447-161-98         Sequence           49 100.0         13 14 US-10-057-136-18         Sequence           49 100.0         30 15 US-10-256-734-1168         Sequence	Query         Score         Match Length DB         ID         Description           49         100.0         9         14         US-10-247-703-43         Sequence 43.           49         100.0         9         15         US-10-447-161-98         Sequence 98.           49         100.0         13         14         US-10-057-136-18         Sequence 18.           49         100.0         30         15         US-10-296-734-1168         Sequence 116.           49         100.0         30         14         US-10-247-703-26.         Sequence 216.	Score Match Length DB ID  Atch Length DB ID  Bescription  100.0 9 14 US-10-247-703-43 Sequence 43, 200.0 9 15 US-10-447-161-98 Sequence 98, 200.0 13 14 US-10-50-734-1168 Sequence 118, 200.0 30 15 US-10-296-734-1168 Sequence 118, 200.0 30 15 US-10-296-734-1168 Sequence 118, 200.0 30 12 US-10-296-734-824 Sequence 826, 200.0 312 15 US-10-296-734-824 Sequence 826, 200.0 312 15 US-10-296-734-824	Query         Score         Match Length DB ID         Description           49 100.0         9 14 US-10-247-703-43         Sequence           49 100.0         9 15 US-10-247-703-43         Sequence           49 100.0         13 14 US-10-36-136-18         Sequence           49 100.0         13 14 US-10-256-734-1168         Sequence           49 100.0         30 15 US-10-256-734-1168         Sequence           49 100.0         312 15 US-10-247-703-26         Sequence           49 100.0         312 15 US-10-294-734-824         Sequence           49 100.0         312 US-10-294-77-733-22         Sequence	Query         Score         Match Length DB         ID         Description           49         100.0         9         14         US-10-247-703-43         Sequence 43.3           49         100.0         9         15         US-10-447-161-98         Sequence 98.3           49         100.0         13         14         US-10-296-734-1168         Sequence 18.3           49         100.0         307         14         US-10-296-734-1168         Sequence 26,49           49         100.0         312         15         US-10-296-734-824         Sequence 26,49           49         100.0         475         14         US-10-296-734-824         Sequence 26,49           49         100.0         475         14         US-10-296-734-824         Sequence 22,49           49         100.0         475         14         US-10-447-703-22         Sequence 22,40           49         100.0         475         14         US-10-447-703-22         Sequence 22,40	Score Match Length DB ID  Match Length DB ID  Match Length DB ID  14 US-10-247-703-43  49 100.0 9 15 US-10-247-161-98  49 100.0 13 14 US-10-057-136-18  Sequence 18, Sequence 18, Sequence 26, 49 100.0 30 15 US-10-057-34-1168  49 100.0 30 15 US-10-247-703-26  49 100.0 312 15 US-10-247-703-26  5 Sequence 26, Sequence 26, 49 100.0 475 14 US-10-247-703-22  5 Sequence 27, 49 100.0 475 14 US-10-247-703-22  6 Sequence 27, 5 Sequence 27, 49 100.0 675 14 US-10-247-703-22  6 Sequence 27, 5 Sequence 27, 5 Sequence 27, 6 Se	Query         Score         Match Length DB         ID         Description           49         100.0         9         14         US-10-247-703-43         Sequence 43, 910.0           49         100.0         9         15         US-10-247-703-43         Sequence 98, 920.0           49         100.0         3         15         US-10-247-703-8         Sequence 11, 98           49         100.0         30         15         US-10-296-734-1168         Sequence 11, 18           49         100.0         30         14         US-10-296-734-1168         Sequence 226, 18           49         100.0         30         14         US-10-296-734-116         Sequence 226, 18           49         100.0         475         14         US-10-296-734-116         Sequence 20, 18           49         100.0         475         14         US-10-247-703-26         Sequence 21, 18           49         100.0         675         14         US-10-247-703-20         Sequence 20, 18           49         100.0         508         14         US-10-247-703-20         Sequence 20, 18	Query         Score         Match Length DB         ID         Description           49         100.0         9         14         US-10-247-703-43         Sequence 43.           49         100.0         9         15         US-10-247-161-98         Sequence 18.           49         100.0         13         14         US-10-296-734-1168         Sequence 18.           49         100.0         307         14         US-10-296-734-824         Sequence 26.           49         100.0         312         15         US-10-296-734-824         Sequence 26.           49         100.0         475         14         US-10-247-703-22         Sequence 27.           49         100.0         475         14         US-10-247-703-22         Sequence 27.           49         100.0         508         14         US-10-417-312-1         Sequence 27.           49         100.0         508         14         US-10-477-312-2         Sequence 20.           49         100.0         515         14         US-10-477-312-1         Sequence 20.           49         100.0         515         14         US-10-477-312-1         Sequence 20.           49         100.0         5	Query         Govery         B ID         Description           49 100.0         9 14 US-10-247-703-43         Sequence 43.4           49 100.0         9 15 US-10-447-161-98         Sequence 98.4           49 100.0         13 14 US-10-057-136-18         Sequence 18.5           49 100.0         30 14 US-10-247-701-8         Sequence 18.5           49 100.0         30 14 US-10-247-703-26         Sequence 26.4           49 100.0         307 14 US-10-247-703-2         Sequence 27.4           49 100.0         475 14 US-10-447-703-2         Sequence 27.4           49 100.0         508 14 US-10-447-703-2         Sequence 20.4           49 100.0         508 14 US-10-447-703-2         Sequence 20.4           49 100.0         515 14 US-10-247-703-2         Sequence 20.4           49 100.0         515 14 US-10-312-1         Sequence 20.5           49 100.0         515 14 US-10-312-1         Sequence 21.5           49 100.0         515 14 US-10-313-2         Sequence 21.5           49 100.0         515 14 US-10-313-2         Sequence 21.5           49 100.0         515 14 US-10-313-2         Sequence 21.5

RESULT 2

ce 10, Appl ce 158, App ce 120, App ce 1210, App ce 1210, App ce 267125, e 55, Appl ce 47, Appl ce 47, Appl ce 47, Appl ce 47, Appl ce 11, Appl e 11, Appl ce 1, Appl ce 21, Appli	ANTIGEN ENCODING NUCLEIC ACIDS C ACID	Gaps 0 ;
Sequen Se	TUMOR	14; Length 9; e+06; Indels 0;
4 US-09-996-069-10 4 US-10-171-311-188 4 US-10-174-564-120 5 US-10-296-734-121 6 US-10-296-734-121 7 US-10-9925-115-267 1 US-09-903-460-55 1 US-09-903-460-55 1 US-09-903-460-55 1 US-09-903-460-50 1 US-09-903-461 1 US-09-904-466-1 1 US-09-904-131-1 1 US-09-904-466-1 1 US-09-904-466-1 1 US-09-904-466-1 1 US-09-904-466-1 1 US-09-904-466-1 1 US-09-904-131-1 1 US-09-904-131-1 1 US-09-904-131-1 1 US-10-057-136-1 4 US-10-057-136-1 4 US-10-057-136-1 5 US-10-057-136-1 6 US-10-057-136-1 6 US-10-057-136-1 6 US-10-057-136-1 7 US-10-057-136-1 8 US-10-057-136-1 9 US-10-057-136-1 9 US-10-057-136-1 1 US-10-057-136-1 1 US-10-057-136-1 1 US-10-057-136-1 1 US-10-057-136-1 1 US-10-057-136-1 1 US-10-057-136-1 1 US-10-057-136-1 1 US-10-057-136-1 1 US-10-057-116-293-215-1 1 US-10-062-77-1	ALIGNMENTS  10247703  3 n ACID VACCINES USING WE ADJUVANT ENCODING 19-20 19-20 19-20 19-20 10-247,703	Score 49; DB ; Pred. No. 1:4 (0; Mismatches
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	ation US/, 00300635g; T.Patrich	100.0% Larity 100.0% Conservative PPVHNV 9
84 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	13-43 143, Applicat 143, Applicat 150 No. US200 INFORMATION: TT: Branigan, TT: MCGAPTION: TT: MC	Simi Simi 9; 1 STA 1 STA
4 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2	RESULT 1  US-10-247-703-43  Sequence 43, Application US, Sequence 43, Application US, Sequence 43, Application US, Sequence 43, Application US, Sequence 43, Application No. US200306355; APPLICANT: Braiden, Patrice APPLICANT: McCapth, Steph APPLICANT: McCapth, Steph APPLICANT: Scallon, Bernan APPLICANT: Scallon, Bernan APPLICANT: Scallon, UNCERTY TITLE OF INVENTION: CUTCKI, TITLE OF INVENTION: CUTCKI, FILE REFERENCE: CEN310  CURRENT APPLICATION NUMBER: PRIOR PRIOR FILING DATE: 2002-10-10-10-10-10-10-10-10-10-10-10-10-10-	Query Match Best Local Matches Qy 1

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RESULT 6
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Sublication No. US20030021770A1

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: SCHLOM, JEFFREY
APPLICANT: RAVICAL, DEFNIS
APPLICANT: RAVICAL, DENNIS
APPLICANT: RAVICANIS
APPLICANT: GRITZ, LINDA
FILLE OF INVENTION: TUWOR-ASSOCIATED ANTIGEN
FILLE REFERENCE: 700953/47113C
CURRENT APPLICATION NUMBER: US/10/057,136
CURRENT APPLICATION NUMBER: US/366,670
FRIOR APPLICATION NUMBER: PCT/US98/03693
PRIOR FILLING DATE: 1998-08-03
PRIOR FILLING DATE: 1998-02-24
NUMBER OF SEQ ID NOS: 20
SOFTWARE: PALENTIN VOR: 2.1
SEQ ID NO 18
LENGTH: 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
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0
Sequence 98, Application US/10447161

Publication No. US20040023314A1

GENERAL INFORMATION:

APPLICANT: Wang, Rong-fu

TITLE OF INFORMATION:

FILE REFERENCE: HO-P02484US1

CURRENT APPLICATION NUMBER: US/10/447,161

CURRENT APPLICATION NUMBER: 0S/10/447,161

PRIOR PILING DATE: 2003-05-28

PRIOR FILING DATE: 2002-05-28

NUMBER OF SEQ ID NOS: 148

SOFTWARE: Patentin version 3.1

LENGTH: 9
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 9;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
100.0%; Score 49; DB 15;
Best Local Similarity 100.0%; Pred. No. 1.4e+06;
Matches 9; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                             ; FEATURE:
; OTHER INFORMATION: Synthetic Peptide
US-10-447-161-98
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 1168, Application US/10296734 Publication No. US20040054137A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                 TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; ORGANISM: Homo sapiens
US-10-057-136-18
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US-10-296-734-1168
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APPLICANT: Branigan, Patrick
APPLICANT: Goletz, Theresa J
APPLICANT: Goletz, Theresa J
APPLICANT: Goletz, Theresa J
APPLICANT: Goletz, Theresa J
APPLICANT: McCarchy, Stephen G
APPLICANT: Scallon, Bernard J
APPLICANT: Scallon, Bernard J
APPLICANT: Snyder, Linda A
TITLE OF INVENTION: NUCLEIC ACID VACCINES USING TUMOR ANTIGEN ENCODING NUCLEIC ACIDS
TITLE OF INVENTION: CYTOKINE ADJUVANT ENCODING NUCLEIC ACID
FILE REFERENCE: CEN310
FURNATION: 108/10/247,703
CURRENT FALING DATE: 2002-09-20
FRIOR APPLICATION NUMBER: 60/328,371
FRIOR FILING DATE: 2001-10-10
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APPLICANT: Thompson, Scott A
APPLICANT: Ramshaw, Ian A
TITLE OF INVENTION: Synthetic molecules and uses therefor
FILE REPRENCE: Savine
CURRENT PLICATION NUMBER: US/10/296,734
CURRENT PLICATION NUMBER: US/10/296,734
CURRENT RILING DATE: 2003-08-04
PRIOR APPLICATION NUMBER: AU PQ7761/00
PRIOR FILING DATE: 2000-05-26
NUMBER: OF SEQ ID NOS: 1507
SOFTWARE: Patentin version 3.2
SEQ ID NO 1168
LENGTH: 30
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APPLICANT: Thompson, Ian A
TITLE OF INVENTION: Synthetic molecules and uses therefor
FILE REFERENCE: Savine
CURRENT APPLICATION NUMBER: US/10/296,734
CURRENT FILING DATE: 2003-08-04
                                                                                                                                                                                                                                                                                                                                                                                                           100.0%; Score 49; DB 15; 100.0%; Pred. No. 0.21; Mismatches 0;
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Sequence 824, Application US/10296734

; Publication No. US20040054137A1

; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                FEATURE:
; OTHER INFORMATION: MUCIR segment 1
US-10-296-734-1168
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-10-247-703-26
; Sequence 26, Application US/10247703
; Publication No. US20030063597A1
; GENERAL INFORMATION:
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SOFWARE: Patentin version 3.1
SEQ ID NO 26
LENGTH: 307
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US-10-247-703-26
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Best Local Similarity
7, Conserve
                                                                                                                                                                                                                                                                                                          ORGANISM: Artificial
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APPLICANT: Branigan, Patrick
APPLICANT: Goletz, Theresa J
APPLICANT: Goletz, Theresa J
APPLICANT: McCarthy, Seephen G
APPLICANT: McCarthy, Seephen G
APPLICANT: Scallon, Bernard J
APPLICANT: Scallon, Bernard J
APPLICANT: Sryder, Linda A
TITLE OF INVENTION: CYTOKINE ADJUVANT ENCODING NUCLEIC ACIDS
TITLE OF INVENTION: CYTOKINE ADJUVANT ENCODING NUCLEIC ACID
FILE REPRENCE: CEN310
CURRENT FILING DATE: 2002-09-20
CURRENT FILING DATE: 2002-09-20
PRIOR FILING DATE: 2001-10-10
NUMBER: OF SEQ ID NOS: 77
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APPLICANT: KANTOR, JUDITARIA
APPLICANT: KANTOR, JUDIALD
APPLICANT: KANTOR, JUDIALD
APPLICANT: RANICALI, DENNIS
APPLICANT: GRATZ, LINDA
TITLE OF INVENTION: TUMOR-ASSCIATED ANTIGEN
TITLE OF INVENTION: TUMOR-ASSCIATED ANTIGEN
TITLE OF INVENTION: TUMOR-ASSCIATED ANTIGEN
FILE REFERENCE: 700953/471136
CURRENT FILING DATE: 2002-01-25
PRIOR APPLICATION NUMBER: US/10/65/670
PRIOR PLILING DATE: 1999-08-03
PRIOR FILING DATE: 1999-08-03
PRIOR FILING DATE: 1999-08-03
PRIOR FILING DATE: 1999-08-03
PRIOR FILING DATE: 1999-02-24
PRIOR FILING DATE: 1999-02-24
PRIOR FILING DATE: 1999-02-24
PRIOR PLICATION NUMBER: 60/038,253
PRIOR FILING DATE: 1997-02-24
NUMBER OF SEQ ID NOS: 20
SOFTWARE: PALENTIN VET. 2.1
SEQ ID NO 20
LENGTH: 508
                                                                                                                         Gaps
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                                                                                                                         0; Indels
                                                                         100.0%; Score 49; DB 100.0%; Pred. No. 3.2;
                                                                                                                         0; Mismatches
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US-10-057-136-20
; Sequence 20, Application US/10057136
; Publication No. US20030021770A1
; GENERAL INFORMATION:
; APPLICANT: SCHLOM, JEFFREY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; Sequence 20, Application US/10247703; Publication No. US20030063597A1; GENERAL INFORMATION:
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                                                                         Query Match 100.
Best Local Similarity 100.
Matches 9; Conservative
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Best Local Similarity 100.
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ORGANISM: Homo sapiens
US-10-057-136-20
     ORGANISM: Homo sapiens
                                                                                                                                                                       1 STAPPVHNV 9
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                 US-10-417-312-1
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LENGTH: 515
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Sequence 22, Application US/2030063597A1

GENERAL INFORMATION:

APPLICANT: Branigan, Patrick

APPLICANT: Knight, David M

APPLICANT: Knight, David M

APPLICANT: Scallon, Bernard J

APPLICANT: Scallon, Bernard J

APPLICANT: Styles, Linda A

TITLE OF INVENTION: CYTOKINE ADJUVANT ENCODING NUCLEIC ACIDS

TITLE OF INVENTION: CYTOKINE ADJUVANT ENCODING NUCLEIC ACIDS

TITLE OF INVENTION: CYTOKINE ADJUVANT ENCODING NUCLEIC ACIDS

CURRENT APPLICATION NUMBER: US/10/247,703

CURRENT APPLICATION NUMBER: 60/328,371

PRIOR APPLICATION NUMBER: 60/328,371

PRIOR APPLICATION NUMBER: 2001-10-10

NUMBER OF SEQ ID NOS: 77

SOFTWARE: Patentin version 3.1
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Publication No. US20030235868A1

GENERAL INFORMATION:
APPLICANT: DAX. COUP

TITLE OF INVENTION: Antibodies Specific for Mucin Polypeptide
FILE REPRENCE: 2403/2002
CURRENT FILING DATE: 2003-04-16
PRIOR APPLICATION NUMBER: US 60/374,432
PRIOR APPLICATION NUMBER: US 60/374,432
PRIOR APPLICATION NUMBER: US 60/374,432
NUMBER OF SEQ ID NOS: 9
NUMBER OF SEQ ID NOS: 9
SOFTWARE: Patentin version 3.2
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; OTHER INFORMATION: MUCIR consensus polypeptide
US-10-296-734-824
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PRIOR APPLICATION NUMBER: AU P07761/00 PRIOR FILING DATE: 2000-05-26 NUMBER OF SEQ ID NOS: 1507 SOFTWARE: Patentin version 3.2 SEQ ID NO 824 LENGTH: 312
                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 100.
Matches 9; Conservative
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Best Local Similarity 100.
Matches 9; Conservative
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US-10-247-703-22
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                                                                                                                                             TYPE: PRT
ORGANISM: Artificial
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LENGTH: 475
TYPE: PRT
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APPLICANT: Gannavarapu, Manjula
APPLICANT: Hoersh, Sebastian
TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY
TITLE OF INVENTION: OF CERVICAL CANCER
FILE REPERENCE: MAL-035
CURRENT PAPLICATION NUMBER: US/10/71,311
CURRENT PAPLICATION NUMBER: US 60/298,159
PRIOR PAPLICATION NUMBER: US 60/298,155
PRIOR APPLICATION NUMBER: US 60/298,155
PRIOR PAPLICATION NUMBER: US 60/298,155
PRIOR PAPLICATION NUMBER: US 60/298,155
PRIOR PAPLICATION NUMBER: US 60/335,936
PRIOR FILING DATE: 2001-06-13
PRIOR FILING DATE: 2001-11-14
NUMBER OF SEQ ID NOS: 238
SEQ ID NO 156
LENGTH: 515
WUNDER OF SEQ ID NO 156
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TITLE OF INVENTION: ANTIBODIES TO NON-SHED MUC1 AND MUC16, AND USES THEREOF FILE REPERENCE: A8340
CURRENT APPLICATION NUMBER: US/10/612,090
CURRENT FILING DATE: 2003-07-03
PRIOR APPLICATION NUMBER: US 60/393,094
PRIOR FILING DATE: 2002-07-03
NUMBER OF SEQ ID NOS: 33
SOFTWARE: Patentin version 3.2
SEQ ID NO 19
LENGTH: 515
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Best Local Similarity 100.0%; Pred. No. 3.5;
Matches 9; Conservative 0; Mismatches 0; Indels (
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; OTHER INFORMATION: Exemplary Muc1 protein
US-10-612-090-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; Sequence 19, Application US/10612090; Publication No. US20040057952A1; GENERAL INFORMATION:
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18-08-996-069-10
'Sequence 10, Application US/09996069
'Publication No. US20030036199A1
                                                                     Chen, Yan
Zhao, Xumei
Monahan, John
Kamatkar, Shubhangi
Glatt, Karen
Gannavarapu, Manjula
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 .
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ORGANISM: Artificial Seguence
                                           APPLICANT: Schlegel, Robert
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
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ORGANISM: Homo sapiens
US-10-171-311-156
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Best Local Similarity
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                                                                                             100.0%; Score 49; DB 14; Length 515; 100.0%; Pred. No. 3.5;
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                                                                                                                                                               0; Indels
                                                                                                                                                            0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 212, Application US/10097340
Publication No. US20030087250A1
GENERAL INFORMATION:
APPLICANT: John MONAHAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 12
0/S-10-171-311-156
1/S-10-171-311-156, Application US/10171311
1/S Publication No. US200330087270A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Manjula GANNAVARAPU
Sebastian HOERSCH
Shubhangi KAMATKAR
Steve G. KOVATS
Rachel E. MEYERS
Michael MORRISEY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Karen LU
Rosemarie SCHMANDT
Xumei ZHAO
Karen GLATT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gordon B. MILLS
Robert C. BAST, Jr.
                                                                                      Query Match
Best Local Similarity 100.
Matches 9; Conservative
                                                                                                                                                                                                                                                                                   210 STAPPVHNV 218
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    ORGANISM: Homo sapiens
US-10-247-703-20
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APPLICANT: Bamdad, Cynthia
APPLICANT: Bamdad, R. Shoshana
TITLE OF INVENTION: DIAGNOSTIC TUMOR MARKERS, DRUG SCREENING FOR TUMORIGENESIS INHIBI
TITLE OF INVENTION: DIAGNOSTIC TUMOR AND METHODS FOR TREATMENT OF CANCER
FILE REFERENCE: M01015/70071
CURRENT APPLICATION NUMBER: US/09/996,069
CURRENT APPLICATION DATE: 2001-11-27
NUMBER OF SEQ ID NOS: 35
SOFTWARE: Patentin version 3.1
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APPLICANT: Ramatkar, Shubhangi
APPLICANT: Kamatkar, Shubhangi
APPLICANT: Kamatkar, Shubhangi
APPLICANT: Gannavarapu, Manjula
APPLICANT: Gannavarapu, Manjula
APPLICANT: Gannavarapu, Manjula
APPLICANT: Hoersh, Sebastian
TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
TITLE OF INVENTION: OF CERVICAL CANCER
TITLE OF INVENTION NUMBER: US 60/298,159
PRIOR APPLICATION NUMBER: US 60/298,159
PRIOR FILING DATE: 2001-06-13
PRIOR APPLICATION NUMBER: US 60/298,155
PRIOR APPLICATION NUMBER: US 60/335,936
PRIOR APPLICATION NUMBER: U
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Best Local Similarity 100.0%; Pred. No. 8.3;
Matches 9; Conservative 0; Mismatches 0; Indels 0
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Sequence 158, Application US/10171311
Publication No. US20030087270A1
GENERAL INFORMATION:
APPLICANT: Schlegel, Robert
RAPPLICANT: Chen, Yan
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Best Local Similarity 100.
Matches 9; Conservative
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ORGANISM: Homo sapiens
US-09-996-069-10
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Zhao, Xumei
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